

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> INV. B41J11/00 B41J2/17		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) B41J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/030692 A1 (UCHIDA KOTA) 13 February 2003 (2003-02-13) paragraph [0077]; figure 10	1-11
A	EP 0 841 175 A (SEIKO EPSON CORPORATION) 13 May 1998 (1998-05-13) column 3, line 38 - line 42	1-11
A	US 2003/151639 A1 (TAKAHASHI TOMOAKI) 14 August 2003 (2003-08-14) paragraph [0154]; figure 19	1-11
A	EP 1 433 612 A (HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.) 30 June 2004 (2004-06-30) claim 1	1-11
-/-		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <span style="margin-left: 100px;"><input checked="" type="checkbox"/> See patent family annex.</span>		
* Special categories of cited documents : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the International filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the International filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*A* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the International search		Date of mailing of the International search report
13 Apr11 2006		28/04/2006
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer  Joosting, T

## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10, 31 August 1998 (1998-08-31) &amp; JP 10 128964 A (CANON INC), 19 May 1998 (1998-05-19) cited in the application abstract</p> <p>-----</p>	1-11

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2003030692	A1	13-02-2003	JP	2003053941 A	26-02-2003
EP 0841175	A	13-05-1998	DE	69710674 D1	04-04-2002
			DE	69710674 T2	12-09-2002
			JP	10119309 A	12-05-1998
			US	6203137 B1	20-03-2001
US 2003151639	A1	14-08-2003	NONE		
EP 1433612	A	30-06-2004	JP	2004209980 A	29-07-2004
			US	2004125154 A1	01-07-2004
JP 10128964	A	19-05-1998	NONE		